

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

STANDARD FOR

BELT WEATHER KIT (ASSEMBLY OF)

1. GENERAL

1.1 Purpose and Description. This standard defines and illustrates the components and assembly of a compact kit of field weather instruments. The kit is designed for field measurement of weather parameters essential for obtaining spot weather forecasts used in predicting fire behavior on wild or prescribed forest fires.

The kit consists of a nylon duck case designed for carrying on a belt and it has seven compartments for assembly of the other components.

2. APPLICABLE DOCUMENTS

The following documents of the issue in effect on the date of invitation for bids are a part of this standard to the extent herein specified:

Federal Specifications and Standards

L-B-560	Bottle, Screw Cap (Polyethylene)
GG-P-725	Psychrometer
SS-P-166	Pencils, Lead

USDA Forest Service Documents

Specifications

5100-99	Compass, Smokechaser, Liquid Filled
5100-450	Case, Belt Weather Kit
5100-454	Anemometer, Plastic, Floating Ball Type

Drawings

MEDC-506 Writing Board, Belt Weather Kit

MEDC-531 Belt Weather Kit Components Assembly

NOTE: Copies of all documents herein referenced which are required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.

3. REQUIREMENTS

3.1 Component Items and Descriptions. A complete belt weather kit assembly shall consist of the following items:

<u>Item Description</u>	<u>Specification or Other Document</u>	<u>Quantity</u>
Case, Belt Weather Kit	5100-450	1 each
Compass, Smokechaser Liquid-filled	5100-99 (FSN 6605-553-8795)	1 each
Anemometer, Floating Ball Type, Plastic	5100-454 (FSN 6680-833-7010)	1 each
Psychrometer, Sling, Pocket Type	GG-P-725, Type V (FSN 6685-826-1662)	1 each
Writing Board	Dwg. MEDC-506	1 each
Water Bottle, Plastic	L-B-560 (FSN 8125-824-9058)	1 each
Pencils, Lead	SS-P-166 Type IV, No. 2 (FSN 7510-281-5234)	1 each
Notebook, Forest Service (No. 1300-18a)	^{1/} Government Printing Office Document No 16-47777-3	1 each
Notebook, Forest Service (No. 5100-25)	^{1/} Government Printing Office Document No 16-77855-1	1 each

^{1/} These documents are available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402.

<u>Item Description</u>	<u>Specification or Other Document</u>	<u>Quantity</u>
Relative Humidity and Dew Point Tables (23, 25, 27 And 29 inches of Mercury)	^{2/} U. S. Dept. of Commerce NOAA Document Numbers WSTA B-O-6A (5-72) WSTA B-O-6B (5-72) WSTA B-O-6C (5-72) WSTA B-O-6D (5-72)	1 set (4 tables)

^{2/} These tables are available from the U. S. Department of Commerce, National Oceanic and Atmospheric Administration, 6010 Executive Boulevard, Rockville, Maryland 20852.

3.2 Assembly. The belt weather kit components shall be assembled as specified and illustrated on drawing MEDC-531, a miniature copy of which is herein contained.

Preparing Activity: USDA Forest Service, Missoula Equipment Development Center, Missoula, Montana

Project 6660-1405

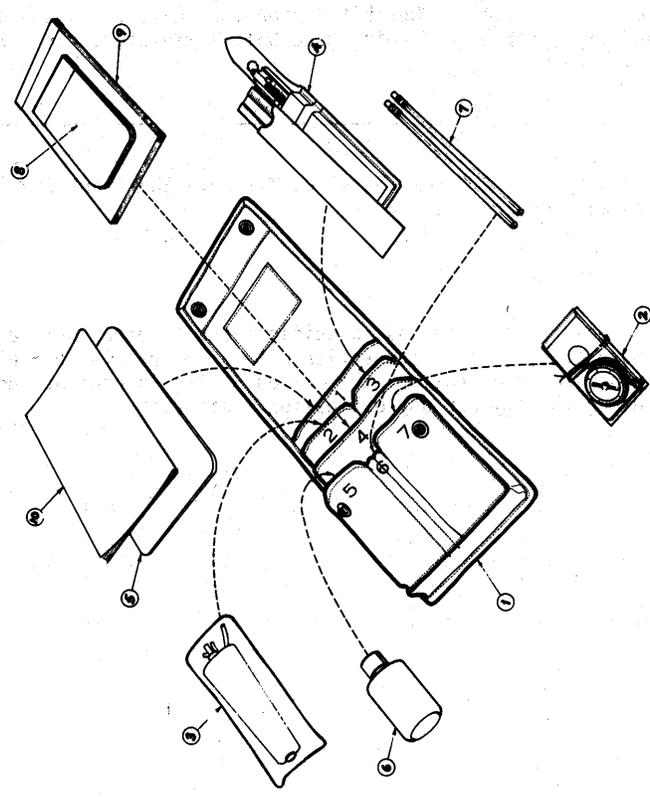
Notice: When Government drawings, specifications or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever.

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MATERIALS LIST			
NO.	PART NAME	QUANTITY	MATERIAL DESCRIPTION
1	CORD, BELT	1	USDA FOREST SERVICE SPEC. 5000-750
2	COMPASS, SURV.	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
3	ANEMOMETER	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
4	HYGROMETER	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
5	BAROMETER	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
6	WIND VANE	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
7	WIND SPEED	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
8	WIND DIRECTION	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
9	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
10	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
11	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
12	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
13	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
14	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
15	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
16	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
17	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
18	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
19	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)
20	WIND RECORD	1	USDA FOREST SERVICE SPEC. 5000-750 (250 6001-501 8795)

* AVAILABLE FROM: SUPPLEMENT OF DOCUMENTS
 U.S. DEPT. OF AGRICULTURE
 FOREST SERVICE
 WASHINGTON, D. C. 20250

** AVAILABLE FROM: U.S. DEPT. OF COMMERCE
 NATIONAL OCEANIC & ATMOSPHERIC ADMIN.
 600 EXETER BLVD.
 ROCKVILLE, MD. 20860



ASSEMBLY

DATE	BY	EXTENSION
10/10/73	JAL/CC	

U.S. DEPT. OF AGRICULTURE
 FOREST SERVICE
 EQUIPMENT CENTER
 MISSOULA, MONTANA

TITLE
**BELT WEATHER KIT
 COMPONENTS & ASSEMBLY**

SCALE
 AS SHOWN

DATE
 OCTOBER, 1973

SHEET 1 OF 1
 MEDC-591

STANDARD 500-100